

SECRET

00475 69745

23 APR 70

PRIORITY

1

P 231901Z APR 70

FM NPIC WASHDC

TO RHCOAAA/SAC OFFUTT AFB OMAHA NEBR
 RHCOAAA/544TH ARTW OFFUTT AFB OMAHA NEB
 RUCILBA/100TH SRW OL 19 MCCOY AFB FLA
 RUVRRIA/WRAMA/WRNWA WARNER ROBBINS AFB, GA
 RUWMODA/100TH SRW DAVIS MONTHAN AFB ARIZ
 RUWMODA/12 SAD DAVIS MONTHAN AFB ARIZ
 RUEBJRA/NAVRECONTECHSUPPCEN SUITLAND MD
 RUEAIIA/CIA WASH DC
 RUEKJCS/DIA
 RUWBKNA/15TH AF MARCH AFB RIVERSIDE CALIF
 RUEFHQA/HQS USAF
 BT

S E C R E T CITE NPIC 8383.

SAC FOR DIRI, DOSR, DISD, DM4C; 100 SRW DAVIS MONTHAN AFB
 FOR DO, DCOI, DCM, AEMS; 12 SAD FOR MD; DIA FOR DIAXX-1;
 HQ USAF FOR AFIGOS, AFXOTR; 15TH AF FOR DI, DO, DM4C.
 SUBJECT: EVALUATION OF OLD HEAD MSN G-118

1. IMAGE QUALITY: THE OVERALL IMAGE QUALITY OF THIS

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MISSION RANGES FROM POOR TO GOOD. THERE IS EXTREME VARIABILITY
 BETWEEN FRAMES (FWD AND AFT) AND SLIGHT VARIABILITY WITHIN
 FRAMES. THE AFT FRAMES CONTAIN IMAGERY WHICH LACKS EDGE DEFINITION
 AND HAS A GENERAL SOFT APPEARANCE. THE FWD LOOKING FRAMES
 IMAGERY COMPARABLE TO THE BEST THIS SYSTEM HAS PRODUCED. IN SOME
 INSTANCES, BARRELS ON ARTILLERY PIECES AND RADAR CONFIGURATIONS
 ARE DETECTABLE. THIS VARIABILITY BETWEEN THE FWD AND AFT FRAMES
 IS APPARENTLY THE RESULT OF INTERNAL THERMAL GRADIENTS. THE
 VARIABILITY WITHIN INDIVIDUALS FRAMES IS LESS THAN THAT REPORTED
 ON PREVIOUS MISSION: PROBABLY BECAUSE OF THE NARROWER SLIT
 EMPLOYED ON THIS MISSION. IMAGE SMEAR IS ALMOST NON-EXISTENT,
 HOWEVER, SOME IMAGE DEGRADATION DUE TO VEHICLE VIBRATION IS
 APPARENT ALTHOUGH NOT TO THE EXTENT EXPERIENCED ON PREVIOUS MISSION.
 CLOUD COVER AFFECTS APPROXIMATELY 20 PERCENT OF THE ENTIRE
 INTERPRETATION SUITABILITY IS CONSIDERED TO BE FAIR TO GOOD.

DISTRIBUTION		
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3,4	TSSG/APSD	
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	RRD	
	REPRO	
	AID	
	INDIVIDUAL	
	TEG/OD	
	SCIEN	
	CONTAIN	
	WEST	
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	TEG/PHD	
	IAS	
	DIA-XX4	
	SPAD	
	DIA-AP	
	CMX	
	THE	

25X1

ADVANCE CY
 SANITIZED
 WITH TEXT

1

2. MSN DATA:

- A. G-118, 17 APR 70
- B. I-2, 8011
- C. A/C 330
- D. STEREO
- E. T/O: 1100Z, C/ON: 1312Z

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F. SO-349

G. SLIT: 0.067 IN

H. MX819-1, NRTSC

3. ORIGINAL NEGATIVE:

- A. EXPOSURE: ADEQUATE FOR INTERPRETATION PURPOSES.
- B. DENSITY AND CONTRAST: GENERALLY MEDIUM.
- C. IMAGE DEGRADATIONS: A BAND OF FOG IS PRESENT 3 INCHES FROM THE
 TAKE-UP END OF MOST FWD FRAMES. THIS FOG PATTERN EXTENDS ACROSS THE
 FORMAT AND APPEARS TO BE AN IMAGE OF THE SLIT. THE CAPPING SHUTTER
 FAILED TO CLOSE ON FRAME 614 RESULTING IN A SIX INCH EXTENSION OF THE
 FORMAT AT THE SUPPLY END. THE EXTENDED FORMAT OVERLAPS THE
 DATA CHAMBER AREA AND PART OF FRAME 615. ALL OTHER DEGRADATIONS
 ARE MINOR AND ARE CONSIDERED TO BE CHARACTERISTICS OF UNIT 8011.
- D. PHYSICAL DEGRADATIONS: FINE EMULSION SCRATCHES ARE PRESENT
 THROUGHOUT THE MISSION. THERE ARE 3 HEAT SPLICES AND ONE ULTRA-
 SONIC SPLICE PRESENT ON THIS MISSION.
- E. DATA RECORDING EQUIPMENT: ALL SYSTEMS FUNCTIONED PROPERLY

SECRET

F. OTHER: THIS IS THE SECOND MISSION UTILIZING FILM TYPE
SO-349. THE FILM COMPARES FAVORABLY WITH FILM TYPE 3404 UNDER
OPERATIONAL CONDITIONS. THIS FILM TYPE APPEARS TO BE COMPATIBLE

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WITH THIS SYSTEM.

4. POSITIVES: PRINTING AND PROCESSING ARE GOOD.
S E C R E T EOM GROUP ONE